

From glowbugs@theporch.com Mon Dec 23 11:02:11 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1])
by uro.theporch.com (8.8.4/AUX-3.1.1)
with SMTP id KAA06740;
Mon, 23 Dec 1996 10:44:16 -0600 (CST)
Date: Mon, 23 Dec 1996 10:44:16 -0600 (CST)
Message-Id: <199612231644.KAA06740@uro.theporch.com>
Errors-To: ws4s@infoave.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 391
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 391

Topics covered in this issue include:

- 1) 6080 tube??
by Bob Roach <KE4Q0K@worldnet.att.net>
- 2) Re: 6080 tube??
by Conard Murray <ws4s@InfoAve.Net>
- 3) Re: When I get bigger...
by kilgore@dev.tivoli.com (Jeff Kilgore)
- 4) 807 help??
by kiss@iol.ie (Tony Gallagher)
- 5) Re: When I get bigger...
by aa7ya@juno.com (Stacey T Hanrahan)
- 6) Which VFO to build?
by Dave <gekko95@ix.netcom.com>
- 7) Re: Which VFO to build?
by Doug <doug@sunrise.alpinet.net>
- 8) Parts...
by stevemo@winternet.com (Steve Moll)
- 9) Re: 807 help??
by Doug <doug@sunrise.alpinet.net>
- 10) Re: 6080 tube??
by Robert Paschal <r-paschal@worldnet.att.net>
- 11) 6L6 Success!!
by stevemo@winternet.com (Steve Moll)
- 12) VFO
by Richard Wilkerson <richqrp@pacbell.net>

- 13) Status of Phoenix Xtals?
by tomrice@netcom.com (Tom R. Rice)
- 14) Anyone have any B&W 3012?
by Dave <gekko95@ix.netcom.com>
- 15) Re: 807 help??
by Bob Roehrig <broehrig@admin.aurora.edu>
- 16) Tubes vs Transistors...
by "Cory Hine" <hinec@ccgate.dl.nec.com>
- 17) Seasons Greetings
by Bob Roach <KE4QOK@worldnet.att.net>
- 18) Heath HX-11
by Tom Bowman <tbowman@nbn.net>

Date: Sun, 22 Dec 1996 17:59:09 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: glowbugs@theporch.com
Subject: 6080 tube??
Message-ID: <19961222175907.AAA3824@LOCALNAME>

Hello gang,

Seems like the more info I collect the strange the puzzles become. I just acquired a 6080 tube in piece of surplus gear and haven't found it in my tube lists yet. Anybody know right off the top of their head what it is? I don't need specs or anything at the moment, just a general idea of what it is.

73 es TNX

KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
 If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net [try here first]
(757)930-0348 bob.roach@sourcebbs.com

Date: Sun, 22 Dec 1996 13:19:12 -0500
From: Conard Murray <ws4s@InfoAve.Net>
To: KE4QOK@worldnet.att.net,
Subject: Re: 6080 tube??
Message-ID: <2.2.32.19961222181912.0070ae54@infoave.net>

Hi Bob and the list,
The 6080 is a big triode used mostly for power supply regulation. It is very

similar to the 6AS7.

Marry Christmas to all,

Conard

```
.....  
. Conard Murray WS4S Glowbugs listowner .  
. 217 Dyer Avenue ws4s@infoave.net .  
. Cookeville, TN 38501 615-526-4093 .  
. <>< Wise men still seek Him <>< .  
.....
```

Date: Sun, 22 Dec 1996 13:24:27 -0600

From: kilgore@dev.tivoli.com (Jeff Kilgore)

To: glowbugs@theporch.com

Subject: Re: When I get bigger...

Message-ID: <199612221924.NAA02962@wichita.tivoli.com>

>

> Hi gang,

>

> My two year old daughter has accepted as a fact of life that many of
> the things she wants (cars, razors, more dessert...) she can only have
> "when you get bigger". She was in my office a few days ago and for the
> first time she noticed a few tube projects I've got sitting on a table,
> so after I told her those were daddy's radios and daddy's tubes she
> asked me "I can have my radio tubes when I get bigger?" Gonna have to
> cultivate that!

>

> Seriously, anybody have success in getting transistor-era kids
> interested in tubes? Or, any of said transistor-era folks here on the
> list to tell their stories?

>

> 73,

> Mike, KK6GM

>

>

Mike,

Well,, my 6-year-old daughter has been somewhat interested in my radios for
some time. When she was three, my father-in-law gave her a car along with
a "driver's license" with her picture on it. She came running into my
shack with the license saying that she could now talk on my radios since
she had a license.

She does like tubes. I brought a couple hundred tubes back from a recent

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'''
(o o)
-----o00--(_)--00o-----
* CHECK OUT OUR WWW SITE!!** FIND US AT: www.iol.ie/limerick95/ *****
* RADIO LIMERICK 95Mhz FM ** BROADCASTING TO LIMERICK, IRELAND AND TO EUROPE *
* 100 O'CONNELL STREET ***** VIA THE ASTRA SATELITE ON THE VH1 TRANSPONDER 22*
* LIMERICK ***** AUDIO SUBCARRIER 7.92Mhz *****
* IRELAND *****|* www.iol.ie/limerick95/**| TONY- kiss@iol.ie |**
*****
**** VISIT OUR RADIO STATIONS PAGE AND ENTER GREAT WEEKLY COMPETITIONS!! ****
*****

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Date: Sun, 22 Dec 1996 13:51:56 MST
From: aa7ya@juno.com (Stacey T Hanrahan)
To: glowbugs@theporch.com
Subject: Re: When I get bigger...
Message-ID: <19961222.135631.5319.0.aa7ya@juno.com>

On Sun, 22 Dec 1996 10:36:49 -0600 (CST) John Levreault
<jlevro@shore.net> writes:

>At 09:52 AM 12/21/96 -0600, Mike wrote:
>>Hi gang,
>>
>>My two year old daughter has accepted as a fact of life that many of
>>the things she wants (cars, razors, more dessert...) she can only
>>have "when you get bigger". She was in my office a few days ago and
>>for
>>the first time she noticed a few tube projects I've got sitting on a
>>table, so after I told her those were daddy's radios and daddy's tubes
>>she
>>asked me "I can have my radio tubes when I get bigger?" Gonna have
>>to cultivate that!
>>
>>Seriously, anybody have success in getting transistor-era kids
>>interested in tubes? Or, any of said transistor-era folks here on
>>the list to tell their stories?
>>
>
>My older son, who's 25 now, is a hard-core tube-o-phile. It all
>started when, as a teenaged heavy-metal guitar-player, he played his
>first
>Fender Twin. He's been hooked ever since and has become a competent
>homebrewer, renovator, and repairman. He is just finishing up a
>build-it-from-scratch Champ. That's Fender's little 3-watt single ended
>practice amp that many think embodies the best of the tube-amp sound.
>Quite a few classic guitar recordings, especially some of Eric Clapton's
>work, were done by mic'ing a Champ.

Some still are mic'ing to a Champ. Matter of fact, as a final project in
my Radio Broadcasting course some 6 years ago, I mixed a song that
used a Champ. I could have just stuck a "line out" cord to the 24 track
mixing board to record the amp, but instead I put a cardioid microphone
right on the front grille of the amp and lo-n-behold!...

WHAT A SWEET SOUND!

All that aside.... I am 26 years old, and I grew up around HAM radio, as my OM has been a HAM for over 30 years. He still tinkers with tube projects, and even has occasion to read some of the posts on this SIG.

I would ask him "What is a?" or "What do those things do?", and he said, "Do you want to build a tube type radio set?, I will show you how!, then you will get a feel for what it was like back in the GOOD 'OL DAYS".

The GLOWBUG bit, and the virus is spreading, no known cure has been found as of yet, except that there are positive side effects.... :)

>73 and the best of holidays to all,
>John Levreault NB1I
>

73 es Merry Christmas, one and ALL!
Stacey, AA7YA

Date: Sun, 22 Dec 1996 13:07:25 -0800
From: Dave <gekko95@ix.netcom.com>
To: glowbugs@theporch.com
Subject: Which VFO to build?
Message-ID: <199612222107.NAA15434@dfw-ix1.ix.netcom.com>

In looking in my newly acquired 1954 handbook, I found a circuit for what appears to be a very easy to build but stable 2-tube 2-watt VFO. I plan on building one into my current transmitter project (1967 'Four Band Fifty Watter').

They give coil info for 160, 80, and 40 meter fundamental output. since the transmitter will have a multiplier stage (bandswitched osc. output), I should be able to build the 80 meter version and multiply up from there, right? Or should I build the 160 version to maximize stability and drift factors?

Which would give the best output when multiplied? I don't think I could ever get a stable VFO if I tried to bandswitch the coils.

Thanks for your input!

Dave WB7AWK

Date: Sun, 22 Dec 1996 14:43:52 -0700
From: Doug <doug@sunrise.alpinet.net>
To: glowbugs@theporch.com
Subject: Re: Which VFO to build?
Message-ID: <32BDAB98.3B0E@alpinet.net>

Hi Dave...well, two cents worth of really cheap advice...I'd go for the 160 meter version. It's gonna be a bunch easier to compensate and you just might catch the bug for that band in the future...who knows? Also, unless you are tied to that design, consider the 6U8 triode/pentode for a nice, stable VFO/Buffer. They are easy to get, work very well and don't take much voltage for operation. I built one years ago in a small butter tin, mounted the whole works on rubber shock mounts from a WWII Dynamotor and tuned it with a string drive so as not to impede the shock mounting system. It was a challenge to stabilize, but a handful of NPO caps and some time later, it came in like a champ. I started out with a couple #47 pilot bulbs in the enclosure that ran all the time, but found out that when properly compensated, I didn't need them...and, it was a pain to have to open the can up to change the little buggers.

Just a thought...Merry Christmas

73

Doug, K7YD
Livingston, MT

Dave wrote:

>
> In looking in my newly acquired 1954 handbook, I found a circuit for
> what appears to be a very easy to build but stable 2-tube 2-watt VFO.
> I plan on building one into my current transmitter project (1967 'Four
> Band Fifty Watter').
>
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> the transmitter will have a multiplier stage (bandswitched osc. output),
> I should be able to build the 80 meter version and multiply up from there,
> right? Or should I build the 160 version to maximize stability and drift
> factors?
>
> Which would give the best output when multiplied? I don't think I could

> ever get a stable VFO if I tried to bandswitch the coils.
>
> Thanks for your input!
>
> Dave WB7AWK

Date: Sun, 22 Dec 1996 15:57:10 -0600 (CST)
From: stevemo@winternet.com (Steve Moll)
To: glowbugs@theporch.com
Subject: Parts...
Message-ID: <199612222157.PAA19710@icicle.winternet.com>

Hello all...

I have lost the web address for Dans Small Parts, can anyone please provide it??

Thanks,

Steve Moll WA0BPU

Date: Sun, 22 Dec 1996 15:09:52 -0700
From: Doug <doug@sunrise.alpinet.net>
To: glowbugs@theporch.com
Subject: Re: 807 help??
Message-ID: <32BDB1B0.3743@alpinet.net>

Hi Tony...just a consideration. When you get 4-8 tubes like the 807's operating in parallell, the plate load impedance gets so low that it's difficult to find output network parts that will allow a decent match to a low impedance antenna. That's sure not to say it cant be done, but it might be less hassle to opt for say....a pair of 813's or so, or maybe an 833. Also, you wont be looking for a plate supply that is needed to come up with an amp and a half at 700 volts. But, I dont know your situation for sure....so just a thought.

Limerick...hmmmmm. I'm 3rd generation from Dublin and County Cork... interesting. One day I'm gonna visit the "old sod" just to touch it. Until then, I'll just look at the Web Pages and dream. Montana is a long way from Ireland.

73

Doug Dunn, K7YD

Livingston, MT

Tony Gallagher wrote:

```
>  
> I'm looking for schematics for a amplifier,  
> consisting of about 4-8 807 valves.  
> To operate at 7Mhz.  
>  
> Do you have a copy of a schematic you could send me, please!!!!  
>  
> Tony Gallagher.  
>  
> Lover of the 807!!!  
>  
> CHECK OUT OUR NEW LIMERICK 95 HOMEPAGE!!!!
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>                                     ' ' '
>                                     (o o)
> -----o00--(_)--00o-----
> * CHECK OUT OUR WWW SITE!!* FIND US AT: www.iol.ie/limerick95/ *****
> * RADIO LIMERICK 95Mhz FM ** BROADCASTING TO LIMERICK, IRELAND AND TO EUROPE *
> * 100 O'CONNELL STREET ***** VIA THE ASTRA SATELITE ON THE VH1 TRANSPONDER 22*
> * LIMERICK ***** AUDIO SUBCARRIER 7.92Mhz *****
> * IRELAND *****|* www.iol.ie/limerick95/**| TONY- kiss@iol.ie |**
> *****
> **** VISIT OUR RADIO STATIONS PAGE AND ENTER GREAT WEEKLY COMPETITIONS!! *****
> *****

```

Date: Mon, 23 Dec 1996 00:01:35 +0000
From: Robert Paschal <r-paschal@worldnet.att.net>
To: KE4Q0K@worldnet.att.net
Cc: glowbugs@theporch.com
Subject: Re: 6080 tube??
Message-ID: <19961223000128.AAA15440@LOCALNAME>

At 06:10 PM 12/22/96 +0000, you wrote:

```
>Hello gang,
```

```
>
>Seems like the more info I collect the strange the puzzles become. I just
>acquired a 6080 tube in piece of surplus gear and haven't found it in my
>tube lists yet. Anybody know right off the top of their head what it is? I
>don't need specs or anything at the moment, just a general idea of what it is.
>
```

>
>73 es TNX
>KE4QOK Real radios glow in the dark.
>Bob Power is no substitute for skill.
> If it stayed up last winter, it was too small.
>136 Hermitage Rd.
>Newport News, Va. 23606 KE4QOK@worldnet.att.net [try here first]
>(757)930-0348 bob.roach@sourcebbs.com
>

Bob, It's a low mu twin power triode used asa regulator tube in dc power supplies and in "projection television booster scanning applications".

Source:RCA Receiving Tube Manual circa 1975. If you need specs let me know.

Merry Christmas and 73,

Bob AA0MC

Date: Sun, 22 Dec 1996 18:04:26 -0600 (CST)
From: stevemo@winternet.com (Steve Moll)
To: glowbugs@theporch.com
Subject: 6L6 Success!!
Message-ID: <199612230004.SAA26627@icicle.winternet.com>

Fellow BottleHeaters,

I've just completed a 6L6 one tube xmtr from plans in file 1TPI.JPG. It worked and tuned on the first try!!!!!! No cut and try of coil or capacitors, also was liberal in parts substitutions. With 330 VDC key down, I measure it runs 8 watts input. Power suupply is a 5Y3 through choke/condenser filter. Found an old chassis at a local hamfest, stripped it and used the terminal strips, sockets, etc. Using it through a real Johnson Matchbox to a long wire. 80 seems like a good band, but no way can I make a contact before 7:30 PM local time, even though I hear others. W1AW seems to always be there. The rig is somewhat sensitive to crystal "quality/size". The tiny 3579 rock seems to pull freq just a bit, but not bad. An old FT-243 case 3583 rock sounds first class though. Yesterday I tapped the coil for 40, but with only rocks for 7100 and 7075 its been a bust so far. I've tried some different tubes like 6V6/6F6/6K6/6W6. The 6V6 seems a bit more stable, but overall the prsent circuit seems to like to 6L6 the best. Running almost QRP on 80 has been just a lot of fun. You really get to know the intricacies of the 80 mtr propagation when you listen and have to be in the right place in the right time. Thanks to all who helped me in any way, especially with diagrams and articles both on the INET and

mail. Be glad to help you in anyway I can.

I wish some company would market a tube kit commercially-----

73,
Steve Moll WA0BPU
Edina, MN

Date: Sun, 22 Dec 1996 16:53:55 -0800
From: Richard Wilkerson <richqrp@pacbell.net>
To: glowbugs@theporch.com
Subject: VFO
Message-ID: <32BDD822.4C38@pacbell.net>

Does someone have a simple VFO circuit they could send me?
Thanks rich

--
Rich Wilkerson WD6FDD, Santee, Ca.
NorCal, ARCI, Qrp-L, E.C.R.A.
scQRPions
*****Happy Holidays*****

Date: Sun, 22 Dec 1996 17:15:34 -0800 (PST)
From: tomrice@netcom.com (Tom R. Rice)
To: glowbugs@theporch.com (glowbugs)
Cc: boatanchors@theporch.com (ba)
Subject: Status of Phoenix Xtals?
Message-ID: <199612230115.RAA15257@netcom19.netcom.com>

Back in September, someone posted an announcement
re the formation of Phoenix Crystals, a new business
run by John R. Morris, of Nevada, MO.

I've left a couple of messages on Mr. Moore's answering
device, but have, as yet, received no reply. I specifically
asked if he were officially in business yet and stated that
I'd like to place an order (BA/GB net freqs on 40, 80 & 160).

Can someone verify that Phoenix is there, in the quartz,
so to speak? I hate to keep bugging the guy if he's got
problems.

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

CIS: 71160,1122

Date: Sun, 22 Dec 1996 20:15:57 -0800

From: Dave <gekko95@ix.netcom.com>

To: glowbugs@theporch.com

Subject: Anyone have any B&W 3012?

Message-ID: <199612230415.UAA08839@dfw-ix1.ix.netcom.com>

Hi gang,

I just posted a request to all the usual newsgroups, and now I'm asking here. Does anyone have any B&W 3012 stock? It's 32 tpi 3/4 inches in diameter. I need two lengths of the stuff.

I'm building the 'SuperSimpleX MarkII' receiver in the '63 Handbook, and I really want to try to find the original stock. The coils are pretty interlinked and I don't trust my skills enough to homebrew them and still get them on frequency. Plus, I have never built a receiver before and I want the best odds for success.

Oh, another thing - I just answered a CQ on 40 meters CW with a 4-zone call sign. I was very amazed my 45 watt DX-40 with HA-5 VFO and Drake 2C receiver could pull it off.

Then the guy said he was in Gaithersburg, MD. Hmmm... then he said his name was Bry.... hmmm... AF4K? hmmm.... sounds somehow familiar...

Ended the QSO still wondering, until I looked here and saw it was Bry Carling, of course!

Small world, isn't it?

73's

Dave WB7AWK

Tacoma, WA

Date: Sun, 22 Dec 1996 23:42:55 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Tony Gallagher <kiss@iol.ie>
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: 807 help??
Message-ID: <Pine.ULT.3.95.961222234114.8757C-1000000@admin.aurora.edu>

On Sun, 22 Dec 1996, Tony Gallagher wrote:

> I'm looking for schematics for a amplifier,
> consisting of about 4-8 807 valves.
> To operate at 7Mhz.

Earlier this year I built a linear amp using four 807's. Intended to use with my C.E. 20-A. It works just fine. Be glad to share the info if you send me your address. I'll be back at copy facilities (work) after Jan 2nd.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Mon, 23 Dec 96 06:25:44 CDT
From: "Cory Hine" <hinec@ccgate.dl.nec.com>
To: glowbugs@theporch.com
Subject: Tubes vs Transistors...
Message-ID: <9611238513.AA851351336@smtpgw.ccgate.dl.nec.com>

Reading the mail, so don't usually say much! Thought about getting the AOR DDS-2 I think it is, for the S-line. It's a solid state VFO which replaces the crystal bank and vfo oscillators. Then I thought about the noise floor article in ER. Listening to my KWM-2A, I find that I can hear what others can't.... They allege that they are using "modern" Japanese solid state radios. Have decided to stay with the radio the way Art designed it. Hey, even Ten-Tec has discovered that crystal oscillators are the way to go. We knew that in 1960!

The latest ER article on 40 years of "progress" is interesting if you can get ahold of one... Seems that the modern Japanese radios have a noise floor of about -130. (Dec. QST review confirms this)..... The R-390/A has a noise floor of about -145. Hmmm.... which would I

rather have????

Cory/N2AQS/AFA4TZ

Date: Mon, 23 Dec 1996 14:57:50 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: blayre@aol.com, boatanchors@theporch.com, glowbugs@theporch.com,
Subject: Seasons Greetings
Message-ID: <19961223145747.AAA3092@LOCALNAME>

Merry Christmas to you and yours and a very prosperous New Year.

73 es TNX
KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
 If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net [try here first]
(757)930-0348 bob.roach@sourcebbs.com

Date: Mon, 23 Dec 1996 10:28:10 -0400
From: Tom Bowman <tbowman@nbn.net>
To: glowbugs@theporch.com
Subject: Heath HX-11
Message-ID: <2.2.32.19961223142810.006dcd8@nbn.net>

Was someone on this list looking for replacement meter for a Heath HX-11?
If so message me....

Thanks and have a fine Christmas,

Tom, WA3REY

Tom Bowman, WA3REY <>< Mount Gretna, PA 17064 tbowman@nbn.net

End of GLOWBUGS Digest 391
